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Amendments to the Claims:

Claims 17 and 24 are cancelled, claims 16, 18, 20, 21, 23, 25, 27, 28, 29, 31 and 33 are amended and claims 34 to 40 are added as set forth below.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1 to 15 (Cancelled).

16. (Currently Amended) A surgical microscope comprising:
a viewing unit for viewing an object and said viewing unit defining a viewing beam path;
an image projection module for supplying data in the form of
5 a data image;
said image projection module including an LCD image display unit for displaying said data image;
an image recording module for recording said data image and an object image of said object supplied by said viewing unit;
10 said image recording module including an image sensor;
a beam splitter mounted in said viewing beam path for receiving and passing said data image into said viewing beam path and to said image sensor and for directing said object image onto said image sensor;
15 said image sensor generating an image signal from both of

said data image and said object image for display on a monitor;
a recording device for receiving said image signal and
recording said data image and said object image; [[and,]]
said recording device including an image mixer for receiving
20 both said data image and said object image as electronic image
data in the form of said image signal and for mixing said
electronic image data therein therein; and,
said image projection module further including an imaging
optic having a plano-convex lens and a plano-concave lens mounted
25 downstream of said LCD image display unit for transmitting said
data image to said beam splitter.

17. (Cancelled).

18. (Currently Amended) The surgical microscope of claim 17
claim 16, wherein said plano-convex lens has a first focal length
and said plano-concave lens has a second focal length; and, the
ratio of said first focal length and said second focal length
5 lies within a range from 1.9 to 2.5.

19. (Cancelled).

20. (Currently Amended) The surgical microscope of claim 18,
wherein said plano-convex lens is a first plano-convex lens; said
image projection unit further includes a concave-convex lens and
a second plano-convex lens; and, said first plano-convex lens,
5 said plano-concave lens, said concave-convex lens and said second
plano-convex lens all are arranged between said LCD image display

unit and said beam splitter.

21. (Currently Amended) The surgical microscope of claim 16, wherein the brightness of said LCD image display unit is increased by providing a time-dependent sequential illumination of a reflection display with only a single color.

22. (Previously Presented) The surgical microscope of claim 16, wherein said image projection module has an input for receiving said image data as electronic image data and said image mixer is connected directly to said input for receiving said image data as said electronic image data applied to said input.

23. (Currently Amended) A surgical microscope comprising:
a viewing unit for viewing an object and said viewing unit defining a viewing beam path;
an image projection module for supplying data in the form of
5 a data image;
said image projection module including an LCD image display unit for displaying said data image;
an image recording module for recording said data image and an object image of said object supplied by said viewing unit;
10 said image recording module including an image sensor;
a beam splitter mounted in said viewing beam path for receiving and passing said data image to said image sensor and for directing said object image onto said image sensor;
said image sensor generating an image signal from both of
15 said data image and said object image for display on a monitor;

a recording device connected to said image sensor for receiving said image signal and recording said data image and said object image; [[and,]]

20 a device for synchronizing the illumination of said image display unit with said image sensor to avoid flickering
flickering; and,

25 said image projection module further including an imaging optic having a plano-convex lens and a plano-concave lens mounted downstream of said LCD image display unit for transmitting said data image to said beam splitter.

24. (Cancelled).

25. (Currently Amended) The surgical microscope of ~~claim 24~~
~~claim 23~~, wherein said plano-convex lens has a first focal length and said plano-concave lens has a second focal length; and, the ratio of said first focal length and said second focal length
5 lies within a range from 1.9 to 2.5.

26. (Cancelled).

27. (Currently Amended) The surgical microscope of claim 25, wherein said plano-convex lens is a first plano-convex lens; said image projection unit further includes a concave-convex lens and a second plano-convex lens; and, said first plano-convex lens,
5 said plano-concave lens, said concave-convex lens and said second plano-convex lens all are arranged between said LCD image display unit and said beam splitter.

28. (Currently Amended) The surgical microscope of claim 23, wherein the brightness of said LCD image display unit is increased by providing a time-dependent sequential illumination of a reflection display with only a single color.

29. (Currently Amended) The surgical microscope of claim 23, wherein said LCD image display unit includes a reflection display illuminated sequentially with different colors as a function of time.

30. (Previously Presented) The surgical microscope of claim 23, wherein said image sensor is a single image sensor.

31. (Currently Amended) A surgical microscope comprising:
a viewing unit for viewing an object and said viewing unit defining a viewing beam path;
an image projection module for supplying data in the form of
5 a data image;
said image projection module including an LCD image display unit for displaying said data image;
an image recording module for recording said data image and an object image of said object supplied by said viewing unit;
10 said image recording module including an image sensor;
a beam splitter mounted in said viewing beam path for receiving and passing said data image to said image sensor and for directing said object image onto said image sensor;
said image sensor generating an image signal from both of

15 said data image and said object image for display on a monitor;
[[and,]]

· a recording device connected to said image sensor for
receiving said image signal and recording said data image and
said object [[image]] image; and,

20 said image projection module further including an imaging
optic having a plano-convex lens and a plano-concave lens mounted
downstream of said LCD image display unit for transmitting said
data image to said beam splitter.

32. (Previously Presented) The surgical microscope of claim 31,
wherein said beam splitter is a first beam splitter; and, said
surgical microscope further comprises a second beam splitter
interposed between said first beam splitter and said image sensor
5 so as to permit an additional viewer to view said data image and
said object image.

33. (Currently Amended) The surgical microscope of claim 32,
further comprising a device for synchronizing the illumination of
said LCD image display unit with said image sensor to avoid
flickering.

34. (New) The surgical microscope of claim 16, wherein said
image sensor is a CCD chip.

35. (New) The surgical microscope of claim 23, wherein said
image sensor is a CCD chip.

36. (New) The surgical microscope of claim 31, wherein said image sensor is a CCD chip.

37. (New) A surgical microscope comprising:

a viewing unit for viewing an object and said viewing unit defining a viewing beam path;

an image projection module for supplying data in the form of

5 a data image;

said image projection module including an image display unit for displaying said data image;

an image recording module for recording said data image and an object image of said object supplied by said viewing unit;

10 said image recording module including an image sensor;

a beam splitter mounted in said viewing beam path for receiving and passing said data image to said image sensor and for directing said object image onto said image sensor;

said image sensor generating an image signal from both of

15 said data image and said object image for display on a monitor;

a recording device connected to said image sensor for receiving said image signal and recording said data image and said object image; and,

20 a device for synchronizing the illumination of said image display unit with said image sensor to avoid flickering.

38. (New) The surgical microscope of claim 37, wherein the brightness of said image display unit is increased by providing a time-dependent sequential illumination of a reflection display with only a single color.

25 39. (New) The surgical microscope of claim 37, wherein said image display unit includes a reflection display illuminated sequentially with different colors as a function of time.

40. (New) The surgical microscope of claim 37, wherein said image sensor is a single image sensor.